

Drainage Facilities

<i>Classification</i>	<i>Description</i>	<i>Approved</i>	<i>Contractor</i>	<i>Tracs</i>	<i>CO #</i>	<i>Savings</i>
Pump House	The contractor redesigned the pump house outlet structure from a pressurized system to a gravity feed system. These design changes resulted in reduced piping, simplified outlet controls and reduced pump requirements. Also the shoring system required to construct the pump station walls was redesigned from a standard cast-in-place wall to a permanent soldier-beam tieback retaining wall	9/16/2005	COFFMAN SPECIALTIES, INC.	H561001C	11	(\$193,664.00)
Storm Drain	Although the plan's did not allow the option of cast-in-place pipe for various storm drains due to the type of soil, the contractor provided the designer geotechnical data for specific locations which the designer found conducive for CIP pipe.	4/13/2001	PULICE CONSTRUCTION, INC.	H387601C	33	(\$56,007.50)
	Substitute the 78" & 60" storm drain pre-cast pipe with the same size cast-in-place pipe.	4/23/2002	FNF CONSTRUCTION, INC.	H483102C	03	(\$24,009.00)
	The contractor recognized that by extending two pipe culverts to drain into a main box culvert was less expensive than draining the two culverts into a single box culvert and then tying the box culvert into the main box culvert.	8/12/2004	PULICE CONSTRUCTION, INC.	H538101C	17	(\$10,139.00)
	VE proposal to eliminate concrete keyed pipe collars required during the installation of several of the corrugated metal pipe runs.	12/29/2000	SUNDT CONSTRUCTION, INC.	H457201C	3	(\$8,876.96)
	In lieu of constructing the manholes as shown on the plans, the storm drain system was modified by shifting the location of the trunk line and catch basins were modified to provide access.	5/13/2003	MEADOW VALLEY CONTRACTORS, INC.	H441502C	02	(\$19,493.00)
	The plans call for a new 18" collector line that ties into an existing parallel running 90" storm drain. In lieu of a section of the 18" collector, tie catch basins directly into the 90" storm drain.	12/12/2003	PULICE CONSTRUCTION, INC.	H560901C	4	(\$22,785.00)
Sewer line	Contracor proposed to replace 8" and 18" Sewer pipe (Ductile Iron) with 8" P.V.C. and 18" H.D.P.E.	7/6/2005	PULICE CONSTRUCTION, INC.	H568604C	1	(\$36,908.69)
Storm Drain	The contractor recognized that by realigning a 96" pipe, and thus reducing the fill on top of it, allows the pipe to be constructed as cast-in-place in lieu of a specially designed D-load.	3/18/2005	FNF CONSTRUCTION, INC.	H591201C	7	(\$80,850.00)

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Storm Drain	Relocate the storm drain main trunk so adjacent catchbasins tie directly into it; this eliminated the need for most manholes.	1/27/2003	MEADOW VALLEY CONTRACTORS, INC.	H502801C	06	(\$33,441.92)
	In lieu of removal of the existing CBC and adjoining manhole, the proposed CMP was constructed inside the existing CBC and a baffle wall was constructed where the new CMP ties into the existing manhole.	10/8/2003	STANDARD CONSTRUCTION COMPANY, INC.	H604801C	1	(\$4,741.51)
	The contractor recognized a cost savings to the storm drain system: 1. Rather than tie catch basins directly into the main storm drain, at certain locations they tied into a collector line which in turn tied into the main storm drain. This facilitated construction because the main storm drain was significantly deeper than the catch basins. 2. Eleven manholes were eliminated from the storm drain system by realigning the storm drain in several locations. This eliminated	5/13/2004	PULICE CONSTRUCTION, INC.	H538101C	5	(\$60,172.95)
Utility Conflict	Contract plans specify RCP, Class HE III 19" x30" pipe because the asbuilts showed a conflict with the proposed storm drain and an existing SRP line. The contractor potholed this area to confirm that a 24" pipe could be installed below the SRP irrigation line without conflict. As a result of the contractor's findings, HDPE pipe may be substituted for the specified RCP pipe at considerable cost	7/15/2004	PULICE CONSTRUCTION, INC.	H538101C	16	(\$10,890.79)

